Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-046002	Application No. 09/996,451
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Adam T. Lake et al.	
		Filing Date November 28, 2001	Group Art Unit 2671

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
PAP	AA	4,747,052	05-1988	Hishinuma et al.			
PAP	AB	4,835,712	05-1989	Drebin et al.			
PAP	AC	4,901,064	02-1990	Deering			
PAP	AD	5,124,914	06-1992	Grangeat			
PAP	AE	5,163,126	11-1992	Einkauf et al.			
PAP	AF	5,371,778	12-1994	Yanof et al.			
PAP	AG	5,611,030	03-1997	Stokes			
PAP	AH	5,757,321	05-1998	Billyard			
PAP	AI	5,786,822	07-1998	Sakaibara			
PAP	AJ	5,805,782	09-1998	Foran			
PAP	AK	5,809,219	09-1998	Pearce et al.			
PAP	AL	5,812,141	09-1998	Kamen et al.			
PAP	AM	5,847,712	12-1998	Salesin et al.			
PAP	AN	5,894,308	04-1999	Isaacs			
PAP	AO	5,929,860	07-1999	Hoppe			
PAP	AP	5,933,148	08-1999	Oka et al.			
PAP	AQ	5,949,969	09-1999	Suzuoki et al.			
PAP	AR	5,966,133	10-1999	Hoppe			
PAP	AS	5,966,134	10-1999	Arias			
PAP	AT	5,974,423	10-1999	Margolin			
PAP	AU	6,054,999	04-2000	Strandberg			
PAP	AV	6,078,331	06-2000	Pulli et al.			
PAP	AW	6,175,655	01-2001	George et al.			
PAP	AX	6,191,787	02-2001	Lu et al.			
PAP	AY	6,191,796	02-2001	Tarr			
PAP	AZ	6,198,486	03-2001	Junkins et al.			
PAP	AAA	6,201,549	05-2001	Bronskill			

Examiner Signature	Date Considered
	3/2/06

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(37 CFR §1.98(b))		Filing Date November 28, 2001	Group Art Unit 2671

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PAP	ABB	6,219,070	04-2001	Baker et al.			
PAP	ACC	6,239,808	05-2001	Kirk et al.			
PAP	ADD	6,252,608	06-2001	Snyder et al.			
PAP	AEE	6,262,737	07-2001	Li et al.			
PAP	AFF	6,262,739	07-2001	Migdal et al.			
PAP	AGG	6,292,192	09-2001	Moreton			
PAP	AHH	6,317,125	11-2001	Persson			
PAP	AII	6,405,071	06-2002	Analoui			
PAP	AJJ	6,437,782	08-2002	Pieragostini et al.			
PAP	AKK	6,478,680	11-2002	Yoshioka et al.			
PAP	ALL	6,559,848	05-2003	O'Rourke			
PAP	AMM	6,593,927	07-2003	Horowitz et al.			
PAP	ANN	6,608,628	08-2003	Ross et al.			
PAP	AOO	2001/0026278	10-2001	Arai et al.			
PAP	APP	2002/0101421	08-2002	Pallister			
PAP	AQQ	6,054,999	04-2000	Strandberg			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	ARR							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
PAP	ASS	Appel, Arthur, "The Notion of Quantitative Invisibility and the Machine Rendering of Solids." Proceedings of 22nd National Conference Association for Computing Machinery 1967.
PAP	ATT	Buck et al., "Performance-Driven Hand Drawn Animation", ACM (NPAR2000), pgs. 101 - 108 (2000).

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Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
PAP	AUU	Catmull et al., "Recursively Generated B-Spline Surfaces on Arbitrary Topological Meshes," Computer Aided Design, 10(6):350 - 355 (1978).
PAP	AVV	Coelho et al., "An Algorithm for Intersecting and Trimming Parametric Meshes", ACM SIGGRAPH, pgs. 1 - 8 (1998).
PAP	AWW	Deering, M., "Geometry Compression," *Computer Graphics*. SIGGRAPH '95, pages 13-20, 1995.
PAP	AXX	DeRose et al., "Subdivisional Surfaces in Character Animation", ACM, SIGGRAPH'98, pgs. 85 - 94 (1998).
PAP	AYY	Elber, Gershon, "Interactive Line Art Rendering of Freeform Surfaces", Eurographics'99, 18(3):C1 - C12 (1999).
PAP	AZZ	Gooch et al., "A Non-Photorealistic Lighting Model for Automatic Technical Illustration," Computer Graphics Proceedings, Annual Conference Series, SIGGRAPH'98, pgs. 447-452 (1998).
PAP	AAAA	Gooch et al., "Interactive Technical Illustration," ACM Interactive 3D, pgs. 31 - 38 (1999).
PAP	ABBB	Heidrich et al., "Realistic, Hardware-Accelerated Shading and Lighting," ACM, (SIGGRAPH'99), pgs. 171 - 178 (1999).
PAP	ACCC	Hoppe, H., "Progressive Meshes," URL: http://www.research.microsft.com/research/graphics/hoppe/, (10 pgs.).
PAP	ADDD	Kumar et al., "Interactive Display of Large Scale NURBS Models", ACM, Symp. On Interactive 3D Graphics, pgs. 51 - 58 (1995).
PAP	AEEE	Lake et al., "Stylized Rendering Techniques for Scalable Real-Time 3D Animation", NPAR, pgs. 101 - 108 (2000).
PAP	AFFF	Lander, Jeff, "Making Kine More Flexible,"Game Developer Magazine, 5 pgs., November 1998.
PAP	AGGG	Lander, Jeff, "Skin Them Bones," Game Developer Magazine, 4 pgs., May 1998.
PAP	AHHH	Pedersen, "A Framework for Interactive Texturing on Curved Surfaces", ACM, pgs. 295 - 301 (1996).
PAP	AIII	"pmG Introduces Messiah: Animate 3.0", URL: http://www.digitalproducer.com/aHTM/Articles/july_2000/july_17_00/pmg_intros_messiah_animate.htm (Accessed 10/26/2004) 2 pgs.
PAP	AJJJ	Pueyo, X. et al., "Rendering Techniques '96," Proc. of Eurographics Rendering Workshop 1996, EUROGRAPHICS, p[gs. 61 - 70 (1996).
PAP	AKKK	Rockwood, A. et al., "Real-time Rendering of Trimmed Surfaces," Computer Graphics (SIGGRAPH '89 Proceedings) 23:107 - 116 (1989).

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	3/2/06

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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Adam T. Lake et al.	
		Filing Date November 28, 2001	Group Art Unit 2671

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
PAP	ALLL	Sousa, M., et al., "Computer-Generated Graphite Pencil Rendering of 3-D Polygonal Models", Eurographics'99, 18(3):C195 - C207 (1999).
PAP	AMMM	Stam, J., "Exact Evaluation of Catmull-Clark Subdivision Surfaces at Arbitrary Parameter Values", SIGGRAPH 98 Conference Proceedings, Annual Conference Series, pgs. 395-404 (1998).
PAP	ANNN	Taubin et al., "3D Geometry Compression", SIGGRAPH'98 Course Notes (1998).
PAP	AOOO	Wilhelms, J. & Van Gelder, A., "Anatomically Based Modeling," Univ. California Santa Cruz [online], 1997 [retrieved 12/22/2004], retrieved from the Internet: <URL: http://graphics.stanford.edu/courses/cs448-01-spring/papers/wilhelms.pdf>.

Examiner Signature	Date Considered
	3/4/06

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Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Adam T. Lake et al.	
(37 CFR 1.98(b))		Filing Date November 28, 2001	Group Art Unit 2671

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,115,050	09/2000	Landau et. al			
	AB	6,593,924	07/2003	Lake et. al			
	AC	6,608,627	08/2003	Lake et. al			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature	Date Considered
Peter - Anthony Pappas	1/10/05

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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Adam T. Lake et al.	
		Filing Date November 28, 2001	Group Art Unit 2671

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
PAP	AA	4,600,919	07-1986	Stern			
PAP	AB	4,747,052	05-1988	Hishinuma et al.			
PAP	AC	4,835,712	05-1989	Drebin et al.			
PAP	AD	4,855,934	08-1989	Robinson			
PAP	AE	4,901,064	02-1990	Deering			
PAP	AF	5,124,914	06-1992	Grangeat			
PAP	AG	5,163,126	11-1992	Einkauf et al.			
PAP	AH	5,371,778	12-1994	Yanof et al.			
PAP	AI	5,611,030	03-1997	Stokes			
PAP	AJ	5,731,819	03-1998	Gagne et al.			
PAP	AK	5,757,321	05-1998	Billyard			
PAP	AL	5,786,822	07-1998	Sakaibara			
PAP	AM	5,805,782	09-1998	Foran			
PAP	AN	5,809,219	09-1998	Pearce et al.			
PAP	AO	5,812,141	09-1998	Kamen et al.			
PAP	AP	5,847,712	12-1998	Salesin et al.			
PAP	AQ	5,894,308	04-1999	Isaacs			
PAP	AR	5,929,860	07-1999	Hoppe			
PAP	AS	5,933,148	08-1999	Oka et al.			
PAP	AT	5,949,969	09-1999	Suzuoki et al.			
PAP	AU	5,966,133	10-1999	Hoppe			
PAP	AV	5,966,134	10-1999	Arias			
PAP	AW	5,974,423	10-1999	Margolin			
PAP	AX	6,054,999	04-2000	Strandberg			
PAP	AY	6,057,859	05-2000	Handelman et al.			
PAP	AZ	6,078,331	06-2000	Pulli et al.			
PAP	AAA	6,115,050	09-2000	Landau et al.			

Examiner Signature	Date Considered
/Peter-Nguyen Vo/	3/8/06

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(37 CFR §1.98(b))		Filing Date November 28, 2001	Group Art Unit 2671

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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
PAP	ABB	6,175,655	01-2001	George et al.			
PAP	ACC	6,191,787	02-2001	Lu et al.			
PAP	ADD	6,191,796	02-2001	Tarr			
PAP	AEE	6,198,486	03-2001	Junkins et al.			
PAP	AFF	6,201,549	05-2001	Bronskill			
PAP	AGG	6,208,347	03-2001	Migdal et al.			
PAP	AHH	6,219,070	04-2001	Baker et al.			
PAP	AII	6,239,808	05-2001	Kirk et al.			
PAP	AJJ	6,252,608	06-2001	Snyder et al.			
PAP	AKK	6,262,737	07-2001	Li et al.			
PAP	ALL	6,262,739	07-2001	Migdal et al.			
PAP	AMM	6,292,192	09-2001	Moreton			
PAP	ANN	6,317,125	11-2001	Persson			
PAP	AOO	6,337,880	01-2002	Cornog et al.			
PAP	APP	6,388,670	05-2002	Naka et al.			
PAP	AQQ	6,405,071	06-2002	Analoui			
PAP	ARR	6,437,782	08-2002	Pieragostini et al.			
PAP	ASS	6,478,680	11-2002	Yoshioka et al.			
PAP	ATT	6,559,848	05-2003	O'Rourke			
PAP	AUU	6,593,924	07-2003	Lake et al.			
PAP	AVV	6,593,927	07-2003	Horowitz et al.			
PAP	AWW	6,608,627	08-2003	Marshall et al.			
PAP	AXX	6,608,628	08-2003	Ross et al.			
PAP	AYY	2001/0026278	10-2001	Arai et al.			
PAP	AZZ	2002/0101421	08-2002	Pallister			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner	Desig.	Document	Publication	Country or	Class	Subclass	Translation

Examiner Signature	Date Considered
Peter-Anthony Pappas	3/8/06

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Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Adam T. Lake et al.	
		Filing Date November 28, 2001	Group Art Unit 2671

							Yes	No
	AAAA							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
PSP	ABBB	Appel, Arthur, "The Notion of Quantitative Invisibility and the Machine Rendering of Solids." Proceedings of 22nd National Conference Association for Computing Machinery 1967.
PAP	ACCC	Buck et al., "Performance-Driven Hand Drawn Animation", ACM (NPAR2000), pgs. 101 - 108 (2000).
PAP	ADDD	Catmull et al., "Recursively Generated B-Spline Surfaces on Arbitrary Topological Meshes," Computer Aided Design, 10(6):350 - 355 (1978).
PAP	AEEE	Coelho et al., "An Algorithm for Intersecting and Trimming Parametric Meshes", ACM SIGGRAPH, pgs. 1 - 8 (1998).
PAP	AFFF	Deering, M., "Geometry Compression," *Computer Graphics*. SIGGRAPH '95, pages 13-20, 1995.
PAP	AGGG	DeRose et al., "Subdivisional Surfaces in Character Animation", ACM, SIGGRAPH'98, pgs. 85 - 94 (1998).
PAP	AHHH	Elber, Gershon, "Interactive Line Art Rendering of Freeform Surfaces", Eurographics'99, 18(3):C1 - C12 (1999).
PAP	AIII	Gooch et al., "A Non-Photorealistic Lighting Model for Automatic Technical Illustration," Computer Graphics Proceedings, Annual Conference Series, SIGGRAPH'98, pgs. 447-452 (1998).
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PAP	AKKK	Heidrich et al., "Realistic, Hardware-Accelerated Shading and Lighting," ACM, (SIGGRAPH'99), pgs. 171 - 178 (1999).
PAP	ALLL	Hoppe, H., "Progressive Meshes," URL: http://www.research.microsft.com/research/graphics/hoppe/, (10 pgs.).
PAP	AMMM	Kumar et al., "Interactive Display of Large Scale NURBS Models", ACM, Symp. On Interactive 3D Graphics, pgs. 51 - 58 (1995).
PAP	ANNN	Lake et al., "Stylized Rendering Techniques for Scalable Real-Time 3D Animation", NPAR, pgs. 101 - 108 (2000).
PAP	AOOO	Lander, Jeff, "Making Kine More Flexible,"Game Developer Magazine, 5 pgs., November 1998.
PAP	APPP	Lander, Jeff, "Skin Them Bones," Game Developer Magazine, 4 pgs., May 1998.
PAP	AQQQ	Pedersen, "A Framework for Interactive Texturing on Curved Surfaces", ACM, pgs. 295 - 301 (1996).

Examiner Signature	Date Considered
Peter - Stephen Vincent	3/8/06

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(37 CFR §1.98(b))		Filing Date November 28, 2001	Group Art Unit 2671

Other Documents (include Author, Title, Date, and Place of Publication)

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RAP	ARRR	"pmG Introduces Messiah: Animate 3.0", URL: http://www.digitalproducer.com/aHTM/Articles/july_2000/july_17_00/pmg_intros_messiah_animate.htm (Accessed 10/26/2004) 2 pgs.
RAP	ASSS	Pueyo, X. et al., "Rendering Techniques '96," Proc. of Eurographics Rendering Workshop 1996, EUROGRAPHICS, pgs. 61 - 70 (1996).
RAP	ATTT	Rockwood, A. et al., "Real-time Rendering of Trimmed Surfaces," Computer Graphics (SIGGRAPH '89 Proceedings) 23:107 - 116 (1989).
RAP	AUUU	Sousa, M., et al., "Computer-Generated Graphite Pencil Rendering of 3-D Polygonal Models", Eurographics'99, 18(3):C195 - C207 (1999).
RAP	AVVV	Stam, J., "Exact Evaluation of Catmull-Clark Subdivision Surfaces at Arbitrary Parameter Values", SIGGRAPH 98 Conference Proceedings, Annual Conference Series, pgs. 395-404 (1998).
RAP	AWWW	Taubin et al., "3D Geometry Compression", SIGGRAPH'98 Course Notes (1998).
RAP	AXXX	Wilhelms, J. & Van Gelder, A., "Anatomically Based Modeling," Univ. California Santa Cruz [online], 1997 [retrieved 12/22/2004], retrieved from the Internet: <URL: http://graphics.stanford.edu/courses/cs448-01-spring/papers/wilhelms.pdf>.

Examiner Signature	Date Considered
Peter Hoffman	3/8/06

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